AVIATION BUSS MARCH 20, 1944



Post-War Passenger Version of the 'Mars': First sketch of the production model of the improved Martin Mars, world's largest liying boat, showing the interior as it would appear in commercial passenger service. Glem L. Martin Co. is starting production of 20 such boats for the Nawy, adaptable as a transport for cargo, battle cansalties, troops or officer personnel. (Story on Page 8.)

Plane Plants Do Record War Job at Low Profit Level

Battle of Berlin in Final Stages; AAF Steps up Pace

American forces take over what's left of job, with large scale precision bombing of vital points which escaped RAF obliteration night attacks...Page 16

House Forming Committee on Post-War Air Problems

Group, headed by Woodrum, to make comprehensive survey of outlook with view to planning program to meet defense and civilian needs....Page 7

Hershey Shifts Deferment Control to State Chiefs

List of essential occupations in plane industry being prepared at Wright Field for use as guide to officials in making occupational exemption. Page 9

Surplus Inventories Segregated for Quick Reconversion

Aircraft industry begins separation of materials from current stocks with view to turning title over to U.S. as soon as assembled and catalogued, Page 12

Financing Programs Add to Reconversion Confusion







PHMPS \$500, 2000 and 5000 put INSULOW BEST









[water ear)



SINGLE AND DRUBBLE BRAKE VALVES

(MRITE HOT)

Early realization of the importance to the year effect that airs.

The Yackers Aircraft Hydraulie Units alternated here have other Velov Dot or Whee Dis marken, in indicated. The Specifications of the Army Air Forces for operation between able, they will be incorrecated in these units and respect souls

Various is making every effort through its extensive research.

VICKERS Incorporated TABLE DALLWAYS HE UP. A RECEIPTED TO A MICH. Bil Bydraulic femiament Since 1931

THE AVIATION NEWS

Washington Observer

INDUSTRY TRADE ASSOCIATION-INGUI-National Average Way Production Council There well known afficials so far have turned cemor Eric Johnston of the U S Chamber. Arthur D Whileside, former WPB vice-chairand Busdatuert, and NAWPC's general manserr, Frank F. Bussell First, the various in-

knotty problems, after the war will be to decide, standards, here many old light multary ar-Sureles eliders such as the Ware variety will he a new coeffer for regulation. Although the been given little or no thought except as calvary material, at least one rister manufactures in exploring possibilities of equipping them with

THE LONE RANGER AGAIN-Probation

KAISEE IN OR OUT?-Government willcult come in for expirence for conflicting state-

cannot but the practice also extends to civilians. For coupple, Henry J. Kaner desired that he

had drafted a letter to stockholders recoverence his resignation as president of Brewsler Arroneutral Corp. A few days later, Kritter intensorates would serve as affects and directors in rehably minuted, this desaste the fact that there me factors myabod about which no one

RECRUITING WOMEN-The WACS, swenz

other teamer's on the operational sec con-





AVIATION NEWS

Winlangine Observer

Genera W. Press. SCOTT HENNEY SCHOOL TOUGH FINIS LESS DAYS ALTOGRAM MCGROUNT SHIPTER BANK

Publicules and Executor Office. Editscal Headquarters, 2232 National Prox Edidma. Mal Tree Offer 511 Sebasic Ship, Dayson.

AVIATION NEWS . March 20, 1946

shington Observer

flet with the other, but the fact remains that

WOMEN IN TRANSPORTATION...A differnot named to the mobiles was seen in a FFout meeting in Washington, called by the Office al Defence Transportation and attended by reprepetation of the Capital Transit Co. which enerates Washington's street cars and leaves. the Association of American Railroads, the American Trucking Association and the Air Trumnort Association. The ODT wanted centroleturn for epolyction of a movie short that while aid in recreifing women for transportation acget warnen inte transportation fields, it is inthe couth in recruiting sentern. And incidentally activates are that on a nationwide hatist phase 34 percent of nighter complexees are women, net as high as the aircraft manufacturier industry, but high enough to mercent

rephiers in the fature.

THIRD AC SERVANT AT A COST.-Few aviaton needs realise the extent to which William Aurust, 1945. His original status was that of a dollar-a-year man, but even dollar-a-year pay

SCHOOL APPROADS SEEK DOUGLASES ... veys of post-war international sir restre. Benrecentsform of the power-ment-calcidized South African Armons are speking Douglas DC-X's here and returner sinters say the two locally within a few meaths. The line pare is part of the Bayal African Air Force Transnort Command, and its albeit are fiving Doneboes for the first time. For the future officials have their even on Deputies DC-Cr. which cright ben to South America and Europe, as well as thousehood the dock confirmed

VI VING BOOD TO MARKET... Show more

perishable food to markets. Wione Discounity's Propts and Veretables George A. Boomel & Co. Austra, Marca, Specia

buts by air Officials claim their business can Other observers are asking why it is necessary to revent refrageration units for flying when may large plane can be taken up to allotudes with temperatures which will insure proper preservation, regardless of the time of

DOGBOUSE FOR LABOR?-Is the every

ment and out there is talk everywhere about the speech made by Eric Johnston, possident of the U.S. Chamber of Commerce, who said seems other things that labor is now on the threshold of the dogheuse which recongressed has been mempolizing for some years. Johntion doesn't want to see labor in the deglarese, not done by west to see management there either. He surrents a reactinal antistance most betueen the two and rives two choices: Go should and turn the country into a continuous browl and the envergorat will chain you both, or, make a better cheep, work together and stay fees. The reaction in the capital has been graerally favorable

NEW NAA PROGRAM-The National Accoall aviation people if the program is corned

THE NORTHBOR PLAN-The relation to

to help employees get penertime jobs when u predage continues nor canceled. LaMette T Cake Northron based chalenges and several manager, writing in our contemporary. "Assa. rise" reservice, describes the plun "as grech stend of combine the nation for personnel, the correspond industrial relations department will be combine it for lobe in penerture reductry to which enough year can tremifer when they are sehoner meded for such work as preducing Nantures's P-61 'Black Widow' night fighter. The program indicates a move beyond the talk stary on post-war employment



TODAY

Jamarracu!

Plant curies

The design engineer of 1911 worked woodars with the Bulled restories of his dispecal . . . yet few of us would worst to go back to 1911 models. C.D. DEECTO, a lawlested planning picete, was first mode in 1911, when it was introduced as a "waterproof" type of vulcanized filter. Testay C.D.DEFCTO is analysis in many different gredes . . . each engineered to meet weelfly C-D laboratory Research is continuous and towarraw will be predicting

new electrical application materials to meet the ever more experient demands of electrical engineers, if experimental work will paid you in your post-way plens . . . write as today.

Gontinental - Diamond FIERE COMPANY Manufactures of Laminated Pietics since 1917 - NEWARK • DELAWAR

DILECTO

laminated phenalic electrical insulation

grodes of Instincted physicists. These standards provide sofficient design strikers, high or less temperatures,

methods, and Laborators sormel, the APLW require the following properties on commerced in PRINTA street, and for

MOP-both "but loss" condex of 16" THICKNESS

Dr. Per vo. b. . 19,000 A000 Dec per capille. 20,800 12,000

24 hrs. percent . 75 Fire, witness of 100

1000 Ka Obdestra Constant A.DO 5.30 \$10070 mering 90 42 sinus more



House Forming Select Committee

To Study Post-War Air Problems Woodram chosen to head group organized to make compre become survey of outlook with view to planning program to

meet defense and civilian needs of country. By WILLIAM G. KEY

sideration, has the support of all

new body, which inevitably will

Discogning-The committee is

Explinitement of a select com- errorest in pearing production to

Frost-War Asr Force-The com-

a voice in determining the produc-

These close to the discussions ported out that possibly even Maintaining a streng post-way my members of Congress still will



Before this war, nother Army

Martin IBM-I menderchan wermen. of the Majon Mere unfinate might be no market would be alcommercial use. Widespread remake it eyes larger and more eff-DOTHER Committee Work - The 40,000 pounds for the poststype. committee also would view the While arreardy designed for ourencorrying, the JRM-1 has builtstudies of the principles of unity dom of maintaining separate Army & Halds 48 Littler Coursells the first and Novy air forces. The centers. also include future procurement

and men, both for the regular Plastic Upholstery

stary, developed by United States turnet living and sent covering in glants, expected to be ready early



The first suplanes of the new

of shower boths, pressurings coursement, mean tables and lowers pairol bember. One bulkhead has been removed and frames with openings wide enough to permit the

aft of the succlusive power plant compariment. JEM-1 will have ample space for Tre-Bewe Fillings-Included in

gine dally tracks, a \$800-pound



New "Man" Madoury Claus L. Martin Co. is counted a ing a wood markup of the production model of the right, worken show how hiters are handed to upper Mars, to be designated the JRM-1 by the Navy Photo deck tierough recess! trep doors As a horpital step, the

serviced. Workmon above are in micta' seats. On on left shows both that i deck and forward corps con- JRM-1 well carry 84 litter cases and 25 extendents

deck to permat its use for little Hershev Shifts Deferment Control Into Hands of Stare Directors at Wright Field for use as guide to officials in making occuthe prototype, the main cargo pational exemptions

List of especial occupations in place industry being prepared

Be SCOTT HERSHIP

now workers in placed structly in men confer 26 in when they are

pared with the highly comparth WMC Percuring Hat-It was upgraal patrol bowber use, the m-

Canadian Curback

taled that no registred up to 26 applied to registrants 16 through 22 In addition, the only other ex- boards has been to turn to young

show, a situation which should b Curb on Bulterments Expected-

This attustion caused counder-

retention of key production men in ... Married Men Avoided-II or no dren, even though these men are

AVIATION NEWS . Mucch 20, 1864

terror of the EPM-1 recombles to

butches is closed by writingly di-

more married men with children . Some Specialists - While he some near substitute. While he did

Industry to Discuss Top Problems At AWPC Conference in April Shift of war emphasis to Pacific in contine months to have

important effect on aircraft plants.

Production problems that well Correlation of II-29 production

Average Way Dreduction Cornells one Aviation and West Count the West Coast central made the FWest Coast Infantry-Sie em-

sence The industry's management gized starage reservairs of our retain today is whally unskilled ples materials currently held in \$8boringe Believed-Kindelberger only 3.999 werkers restord of the Johnson, however, said Beeing Superformer, he saed, will be car- expects a need for 3.000 admissional

Rotor Patents Exception has been taken in

Bell Improves New Helicopter Model

He also mentioned that produc-

reported net profit of \$3.662.665 on mount \$2,911,999 or \$8.17 each on Company sales amounted to tion, in 1942. In a letter to steekholders, Bell said substantially all the rompany's business in 1943 was Withits plants and in the Bell, with plant, now building B-17's m evidence did not reducate that a

Jet Power to Bring Big Changes In Flying Boat Designs

Sea crafe to benefit from new plant but more time will be required for developeress than with land planes. Development of act power even- > Problems-Pointing out the prob-

tently will nevert extensive and lette of applying or nower to fix-News But landplanes have inkini advancance in adaptivishing to be Up to now, the height of flying helped to raise the power plants

ing the tail assembly high will be

A Dicadenatores -- Charl denders that flow well enough with entake off at all with jet engines

landrdone. The reason for this

propolate surplace May Gen



Hendy Material Commands It

manding General of the AAF Mo-

Charles E. Brazaltaw, communicati Posting out that technical ex-

perts of the command are con-Wright Field Tests New Air Weapons more than its properties of the ending struggle to keep the AAR By ALEXANDER MISURELY

and ested Col. Franklin C. Walte.

Expanded many-fold and ac-

Wrote Ford and at old McCook burneyed by lock of funds of

Fingler Basearch-Army's avention engineering experts have ourmore than 2.500 hp. now. The tur-

Material Devines engineers when manyalecturers dropped the idea to finel bank so effected; that the Ger-

gen equipment for high altitude FTwp-Way Circust-life as for new Warehousing-Title for this yerwrmeer" at Wright Field, to

aircraft, or one greatly modified to Bell, the Materiel Command lays down specifications so complete

ment, and of foreign equaposent slove, could utilize possibly two of these warehouses for the earnless of information with which the Mavantous)s by transfer of possent

Surplus Inventories Segregated By Plants for Quick Conversion?

Aircraft industry begins separation of materials from current stocks with view to turning total over to government as soon as it is assembled and catalogued.

Aircraft magazfacturers, contake title and dispose of the rantered While this is in enormous

trate of the problem can be recon-

with government officials, the par-

ones. West Coast alongs estimated + May Go to War Plantambs then to have between \$20,000,000 and

stone will run to \$56,000,000, whale duction could not very well be \$5,000,000 has more bon \$60,000 ..

> types of ships concentrated start wavelesser furtifies of the nonthat now endangers the whole

Firstingsted at \$59,999,888 -- Over industry source, while admening tive at any definite farm, estireated that the West Coart plants have \$50,000,000 worth of these take at least two months to ac-

dustries, to other war plants, or arranged if reverable. The steel plus even with the comparers aviation industry painted out

banks with the sad of a Govern-Financing Programs Add to Chaos Of Reconversion Discussions

Alectaft industry, with tromendous stoke in post-war era, and facing possible precipitate declines in operations, expected to be particularly in need of new funds. Doolittle Is Made

Parrens of the War Production

tame and is now understood to be

the form of recommendations Dutlock Colled Glooms-Early

able profits from their war con-

ing both renemblation and tax

crack in the francing ourston. The automobile industry faces &

our meds vary, 'Blance's more clared "Many have the credit to borrow through commercial

guagantee Many others will be

whose contracts are terminated, able to borrow from commercial

Lieutenant General

said on Taken. Not outle two years are, James



That was on Aur 16 1645. Enr Shortly after the Token rest.

on New 1 1943, and on Jan. 1

FEDERAL DIGEST NWIR Rules on Two

Plane Plant Cases grading in the company's Sen-Refunes to extend perposetive distr mary of week in U.S. and war

made averlable. WPB assured ad-

Freal Shipments Of .- Machine tool

ments were valued at \$50,851,900

War Dept, assessmes awards of

h The Nutional Labor Balatters

National War Labor Board had

viously approved by the Beard for over the WLR order larged Mar-

At the Girco L. Martin-Ne-Figurestian Box Bonus Plan-The lean and maintenance employees employees at plants in Los Angeles that a new plan, with some re-Elections were held at Element and NLBB certifed for murries NWLS has appounted a protrict Council of Corporators-AFL. corplayees, UAW-CIO; for operat-Name Structure Involved-Labor

transfer, to grant retreactive pay

Helldirer Output Ahead of Schedule Production of Curton SRSs

of Custom-Wright Corp is now Nelvin J. Mass (R. Minn) told Mass was head of a sub-commit-

sare spot all the production pro-

new BTC five-torpedo bember. which is expected to be an improvenent as the Relidiser

NAA Maps Program For Private Flying

place and dispatch property and Fileral Units Stremed-Under the

roots where it believes the mrelections in which electricisms plane's greatest post-wer utility The Board ordered sketton at of local sirports, study the good

the program, the Assessments

done and set to establish may a Provide Fifting-Study and occ-

went in proceedings before the

National Defense-See) estab-

225 Surplus Planes Of WTS Sold About 555 of the 5.100 Way

The 1,100 planes declared sur-

and level to WTS contractors with-

Braniff, Papagra Mail Cut Confirmed

Cryst Agreematury Board has durin each making final on earlier ten- agy of 300 pounds, abus second of

tere, as of Feb 1, 1943, it will \$390,000 for the remainder of 1943. after Jan. 1, 1944. From what it tage. That rate was \$6.63 cours yes from June 1, 1942 Penagra Rose-The new cate set

William A. M. Berden's namination as assistant Secretary of Commerce Windowsky Reporting Arms Co., division of Western Contrader Co. in now

William Steel, Detroit, was appointed to Michigan State Board of Acro-

The Canadian print who downed Sures were Recitivates, German are of Wayne Tulugrain, Worne, Mich., wall start a course in jet comparison newl-

A Barri Arr Porce Presented Command Laborator flow Meetical to Kanacha.

of the EAF level for many years to come at will be conserved by larger than the number of arreself at the disposal of north as transport," said Sir Archi-

THE AIR WAR

Battle of Berlin in Final Stages As AAF Steps up Davlight Raids

American forces take over what's left of job with large scale precision bombine of vital points which escaped oblitaration night attacks by RAF

center of the Brack, by Anglelight streeter attacks by fast Man. 16-19 RAF Lenogater and Habiter stubbern way of returne to be

James (5.600 the lest three Peb 15-18 was advagestored when marate. Speedy Mosquite reces-Main Assault by Night-Tirpossibly for good and all, the EAF From Nov. 12 to Dec. 5, about 5,900

ties stated that up to thus point



FW-190 LANDING GEAR:

Bettle of Berlin

20 and Feb 18, four of them "no very great force," totaling 11,000 over 27,000 tone, residily 50 per-* Kneckout by Daylight-It on pears that the Combined Chiefe of

craft industry. Anded by untersally an officery, assisted by expert m-

Str Charles Portsi, Marshal et

Berlin, it again appears from the

stable procedure asset.

Now this little Imp's got

TRUE LETTLE DIP is made of po-He med to be a resease . . . but

For every payed of vitally needed

absolutes newtored, 35 pound of prseems "Ly hand"-a slew job which urd up the refourg soft and took They, well before Pour Burbon,

covering petroleum cohe in its parent farm. The production of petroleum

prilogiou to America's war effort from Shell was fast, too, to supply Amer-

ione williams satisfies with a same fuel-100-scrane goodine-giving our plane are speed, fixing range, and tartical adventure. Later Shell dis-Today, more Shell 100-actions evisation field in conclind to correct engine manufacturers, for eritical test and run-to perposes, then are

mining of 2,600 planes from England

Familyhol arrest spenters will FINER FUELS FOR THE AGE OF FLIGHT



Destroying Was Factories-Their

added To was except a proposi-

The capitalistics proved concluopportunities to repeat this per-

a Sector Vant Industrial Arm-In orn and this country in which self a prime military target has self a prime military target has been generally overlooked. There Sets Flight Mark tion, bombs and rockets, radar and

ago, and the new 4-ton factory-The Cleanup - However, the the two-fold object of destroying

Donne and let here complete the doming the dwarding Luftwaffe knowless of Reeles by daybets at- fighter squadyons into the air to defend such vital targets. More thus 300 enemy arreset were clarged on the heavy attacks against Berlin Mar 8 and 8, probaproduction at the present reduced

> synthed, spotted by the Lightwises tory and the Eckner VICP ballbornts dropped squarely on the

The heavy attacks during divcome extremely difficult Beports saving 'Berlin is no longer a cept-

when they read such woods

Fortress' 5,000 hrs.

maintenance procedures Buttle That it can be done, has been

New Mars Record Davision which schedules components, and the Material Control Of-News) Air Transport Servlary or morely 300 000 letters. The mul weighed 23:000 county An addressa) 1.300 pounds of entired war material some 9.000 sounds heavier than

demonstrated by the 999th Special-Rendroles Field, Ma., where a Ree-

a 5 000 Hours' Plinks... The nortunafor Forteen used in setting the rec-

Bertrandias Back

Cel. Yoray R. Bertrandas, forcommand in Australia, where he and other combet and transport planes fring Daning the 15 months he has been on native

Charlton Gets Navy Production Title

Charles has been record dresty under Vice Admiral Seminel M Balance chief of the Owen of the Rear Admiral Topester A. beands has been combined with the Production breach under Ad-Swell, heads the Material and combines the Materials Devision.

4 000 Airacobras Sent to Russia

Bell Alreraft has sent appearai-The Weight forgod head cylinder ers to Banco under Lend-Lense



Utility or Waste?



fugly has been clocked as accurately 159 ft. per second-but this is about the right flame used to nonvale proper pressures on the netton furnitar "knock" or "mar" in a

a feetracker-with higher con-

were, higher temperatures, and

and strained contact is important speeds. The mear use of higher weers. The comme must be detes-a continuing research project

is the Wright laboratories.



"American Evaluates Pound Saved on a Plane at '600º"



· Standard feetorism for all types

hombers, carry carriers.

planes also after verses. · For lighter, but tougher than

· Appeared to all government system semples.

eggfor foteniare

of military planes-fishers.

The acceptly for exercising the strictest control over a plane's runoty weight is constantly being brought hone to the manufacturer by the melines Pound aread on sullitary places of course mean additional factors which exceed he evaluated houever, a lifetime peice tag can be attached to reduced weight. It is estimated at American Airlines that the figure on that price tag amountto 2000.00 derme the first feet search

of the life of a place for each round SEND FOR BOOTS WEIGHT-SAVING ROOKLET TODAY

ANCHOR HIRL-WING STYLE · "Outlast the plane."

UP TO 60 LBS. PER PLANE SAVED BY BOOTS NUTS

M SELF-LOCKING NUTS

Books Alterest Nat Corporation, Geograf Offices, New Coases, Coas., Bugt. L.

Hereni A. Board has been appropted Seet, he had charge of all matru-Curp Other changes at Scott go-



was active to the production of Best-

was purify responsible for the basic the Lewrence Sperry award "for Dony Year, general manager or

where H-24 Laborators are modeled. Franks, controller, has been George F Lewis has been appointed assistant to Herry R Brushaue, manager of the tracks

threate industry



W. G. Jerrens, joining manager of the

H O William who is now sungered teaffe supervisor in New York City



where many recret advancements

Shreet Carls Wills, thirl reprocer



BOOTS AIRCRAFT STARTS NEW NETWORK SHOW: Duranting Boots Arrevelt Nat Corp's new radio progress on the Mutual

passeer, who appears regularly on the new series titled Wide Hormans.

Profe Greater steer 1963

Joseph C. Lebback, formerly works



He has spent five wore with Skydyne, when specializes in build-C. H. Gods his been reposited field.

his chief duty

pany's activity is manifold gradue-A. R. Small of CAA, formerly in the Airway Traffic Control center at La.

center at Wash-ington Natural Aurport Before

a trio to Natal, Bussi, Gura and

Walter A. Vose flight superintendent at Edmoster, Alberta, on the Northroute to Akukn for the last two egist for the NWA entire remon. ages of Fance, has been marred to



15 YEARS WITH TWA-L "Frage" Swith has been grandest in charge of traffic, who

the same position at the sirine's I am field. He has been sweeteded at Farro by W. L. Hellintreach, who H. A. Versen, formerly of Chrysland

Morer Paul Mores, Air Transport

Command pilot who formerly few for Brend! Arrways, his been



Tues teel! Amount Consider Pacific Airfraes officials study the Congere G W G McConeckis, general resemper of CPA's western routes

William J Kamerer (left), superin-tendent of the Norwach plant of



will assume the added duties of

Dr. Horry L. Andrews, modernor at

rector of Training Jeans T Ruster He is noted for his work in visual

officer of Chicage Hopp has tion for six manths before he re-William A Pullis has been appeared

area with head-

AVIATION NEWS . Much 20, 1946

Phillips ___ one of the first and today one of the largest makers of high octane aviation fuels

> **Phillips** AVIATION GASOLINE



AIRCRAFT PRODUCTION

Aircraft Industry Does Record War Job at Low Profit Level

Earnings under all other motor manufacturing divisions. SEC reveals in comparhensive survey of corroration incomes.

formed by manufacturers of airstal through greatly expanded spensibilities are continuous." the Chamber statement and, "The anoperations of leading undustry persylvation statements and annual A Net Sales-The SDC annual con-Act of 1633 and the Securities and subsollaries in 25 manufactioner industry surveyed by the SEC. It cal Chamber of Commerce The survey, covering 1942, showed a Not sales of the 34 companies of aurcraft, a sharp decline from pered with \$1,784,222,000 on 1941 and \$96,993,000 to 1896, seconding Flow Profit Margin-Following

creal expunsion made in order to

PSairs Volume Setura - The Charater statement posted out creft industry's proft level to the stick for profits is uncustified in

HOUSE GROUP VISIT CURTISS-WRIGHT:

fessahan, Curism-Wright prendicet, J. P. Davey, general memoper of

178 2 in 1942 and after discharge In terms of cash this meant \$506-

the result of renegatistion will

2942, but it is impossible to esti-On the base of these qualifying

years 1936 to 1943 (se)usere profit before and after secone tax-

AVIATION NEWS . Merch 20, 1945

and 25 percent, respectively, Aircraft Accessories Corp showed 200 5 and 163.7 Poving 200.3 and Breeze Corn. Inc. 153.7 and 41 S, Faschild Engine and Airman 2196 and 409, Irving Air Chute Co., Inc. 43 6 and 31.5 Meaning Mis. Co 1829 and 355; North Arrentes Aviation 272.1

lical 346 and 39.7. Ballard Gets Order For TBF Mockups

An enter for construction of a extension number of Avenuer & Continuous Indications Given -TRF-1 ageraft training replices the company's factories in Eldhart, in all times on the inner dial and streamd forces, daysloped by the special Devices Division, of the b Phywnod Work Held Unas Rational

wood and plastic bonded plywood

Instrument Gives

Net hp, and B,M,E,P. net hersepower output and the RMEP. (brake mean effective



ties and leading radial entire makcumt possibility of corer and trok in their effect on the output of the enrine Kolleman enrineers

The dial is so serunged that the

the hydranfie-type tarque balance planetary amoutles reduction seas. a Violes variable volume name AVIATION NEWS . March 20, 1944

Klishart, was founded with the long, such as are now available on all

More Plastic Parts Forecast by Martin Revers on lucies and other

traesparent materials already in use on Mariner training mode

L. Martin, who predicts it will Lunte and other transparent successfully by the training section of Glenn L. Martin Co ser-

the PRWs Manner Markets on Martin evaluated that the use of such materials is but added that with the improve-

First Check on Trouble-"When

saich troubles before they become

These include a PRV-1 main en-



Our Third Front

VICTORY DIFFERES ON WHAT WE DO AT NOME AS WELL Tiens no. Third Front, here at home. Without this teamwork, the efforts of our fictions men might well be on which the room and women of Streets ore fielding. Posture 10% and reason of wanted And in addition to their outside work, the men and women of Booms cooperating to the foliant extent in



PROBUCTION FOR VICTORY . PRODUCTS FOR PEACE







AVIATION NEWS . March 20, 1966



3 WAY Whration IRONAUTICAL engineers, engaged in designing and specifying radio equipment, estial cameras, and delicate ight instruments, are conferred with a problem - witestion control. The great power of the modern alrelans has made

Rehitson engineers here found that high powered similance create atheritor to three directions to addition, varying a combination of linearises from two or more disordions All attempts to control 3-way vibration by vertical absorption alone, with the conventional shock mounts, here been erisolale let absorbing such vibration with a single, simple

We have recovered an analysis of this pechlers and its soletion in the laws of a backlet deputhing Lidbeansland vibration. In airelenes and the Rebinney principle, regether with photo-Rebinson-designed sheek meants. We will be gled to send Ten & copy.



AVIATION NEWS . March 20, 1944

Formation of Aviation Commission Urged to Map Industrial Policy United Aircraft's Vice-Chairman Wilson asks for body similar

to Morrow group to recommend Congressional program for Necessity for a new policy area, conflicting againsts. Wilson re-

der which American as power consumed the confidence and sup-Figure Clab Speech-Wilson Wilson recalled that in 1925, in evelves that they fix the respon-

tor of none under Dwight Morrow Under these principles, Wilson The group listened to about 100 startry phensed for defense and ling the recovery to reduce the

trool Michell charges they second anexisting, yet they be- in this war, reaco profit limitation Mose-Esper Program Urged-

force is essential to the national are frece to a streng private industry, and that to keep industry although as Wilson pointed out "at Analyzane these principles, it

sability for national defense on nology as a vital strategic asset.

New Cornelision Unged-Wilson

h Tremenition Problem... If war

ruthless manner of World Wor I he ned "They is especially true stocks are dumped, as in World tion with neverte reference, the re-Wilson compliances that since the

disposal of surples goods, and commissions handling of surplus Were Surplanes-The public interest, he continues, secounds a





FIRST AAF PHOTOS OF NEW KELLETT AUTOGIRO UNDERGOING TESTS Two turns of new Kellett Antagers, the YO-60, now perfect to be used at observation and begree work under test with other versions of sutary-using enast. The new autonoro is postered with a 200-hp. Jacobs by the Army Picture should the blodes folded back engine. Excellent resoluting is clarated by restellation for once on storage or careauflage. The other was of a large bubble-type canego and unsalour on becsmall percentage of the organal what which would merciahly re-Nucleus-'If we have a clear rec-

Six-Ton Camera Here model cuts time on pooduction of Torress' severlance.

Chief value of the template be made. Another advantage line of a template can be made from

construct. With some \$3,500 terms plates required for the Fartress. · Master Levent-The reaster laymore than one-thousandth of an



Mar. 25. Wago Chily fire parent stores. St-Apr In-Aristica Expedition, Greate Twin Cities Chapter of National Assessed Vap. 56-96-signator New York Safety Com-pills assemble convenient and reportion



Barder's Six Ton Camera: Glenn M. Jones, Borrey's release torontage

fact that 66,000 are now employed.

usned to popular Beeden execu-

Bendiy Workers Vote Post-War Preference More than 42 percent of war

neebless and more than 5.899 cpmin a comprehensive survey on Ford Unit Supplies

Food Motor Co resents with as some one entitled to return to their . P.Seare Parts Supplied or Fard calls mates also that it is expedient more

signed to powide Beedes execu-

do not went to go back to their and nearly 25 peocent are unde-A Post-Wer. Problem....When it is

SOMETHING OLD and SOMETHING NEW

This is the story of breaching . . . Breaching - the machining assessment which has an weather channel the cost on mass neededtion precision parts . . . Breaching — which is as old as man's search for tools, as new as tomorrow's dreams.

As the time of the continue the demand for more production procision narts welcomed with ones arms the Lansinte Invention of the pull principle in branching and the development of engineered design in breaches and breaching machines. America's mass production dates from this beginning. It was by broaching that the automobile industry and dozens of other producers of consumer anada were shile to mass acadere interchangeable parts. It is ha breaching that aircraft and armament parts are exceeding production schedules. It will be by breaching that thousands of products from safety raxors to steam shorels will be made better, quicker and cheaper.



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TRANSPORT

CAB Report on Feeder Survey Assailed by ATA as Short Sighted

Recommendation of Examiners Madden and Beitel that exnansino of existing mates be limited to cities over 25,000 population particularly criticized as leading to needless subsidy and confusion.

By MERLIN MICKET

The report by two examines on Arbitrary Limit-Econoccs Wilhe limited to cross of 25,000 or

sociation are of two dears or more showner then effect on later norm. A Biogrammation ... The surrented Such a hearistion, ATA contended, would vasing sound

restriction. ATA arrived would do.



CPA DISTRICT SUPERINTENDENTS MEET

Yakon durret Cust Base Beker, omutent superm- Dekens, H. W. Room, seneral supermissions, western tendent Yakon durriet, O. H. Johnson, regional traffic. down, W. S. Cilberi, Meckenine area superintendent. operators, no artificial liguration the Association added, was that inones in the feeder survice studies

Principles-With this statement

tion system to serve the demands of the Interior Dept

of the areas of Greekound also re-Greybound and others want no oral arrument are going to have riers, surface curriers, prospectave new carriers, belieopter eseriers,

New Evaminers

CAB adds to said its erremor to outside lines every evego bevond Granting of the right of Innocent. passage in the United States to far-

Board in October, 1943, with 12 Brown, one of the authors of a

Curb on Foreign Air Carriers Urged

American points. The constation was handled by a committee con-

Forward Step-The carlway labor executaves derived a "great for-



Four recess additions to CAIPs and of expressions are shown encount ground potency William I Madara (regted). Strendon left to winter ore H. Hennych Approp. F. Merrott Rubben, William F. Camels and Ber. see Frederics. The Board near has twelve excrusives aside from Charl.



Mustanes Baise Hell in Heavens

Source miles unstales. York pilets ride the wines of Seven-barrier Mustane Selvers, dealing death to Norte descriptly trying to intercept our high-altitude heavy bombers. Here in the aretic cold of the atrabambare a chronicle of victory is sky-written by white yapor trails and by the searing flame of an enemy plane in its last sercoming carthhoused plange. The men and weesen of North American Aviation are proud of the "sugels from hell" who pilot these averaging P.51 Mustann-proud, too, of their own vital part on America's production front.

North American Aviation Sets the Pace

We make along that make benefities . . . The B25 Mitchell bowler, the AT 6 Tenns combat trainer, the P51 Mustang fighter (the A26 fighter bomber), and the B24 Liberator houser. North Asserican Asletion, Inc. Member, of the Average War Production Council, Inc.

AVIATION NEWS . Mucch 28, 1844 AVIATION NEWS . Merch 16, 1944

"SOUTHEASTERN"

the New Name of Georgia Air Service, nu.



In order to more accurately describe the scope of our openitors, we have chanced our name to Southeastern Air Service, Inc. This is a logical sten, for the emerceation which was become as Georgia Air Service, Inc. has "grown up," and random air sarries throughout the Southeast Our organization and our work remain the same. Our manifest ich confirmer to be concentration on Primary Training for the Array Air Forces.

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Airport Survey

one field sales. The Michoran Wine



"Manquito" Super-Speciates: The 656 wept-plan speed of the Monquite borsher has led to concerture that a plant of this type could be used to

U. S. Air Schedules and New York wide to belief

other restators service. British success with the high charges in the post-way sirking

* Coast-te-Const in Eight Bours-

Mosquito May Alter

1 Super Service-The super-speed

revises set for Age, IT transportation picture. The charl Bus Operator Asks

Helicopter Route Authorization soughs for 1756 niles of lions, cheels in New Jeesey.

A large has operator, the Public certificate sufferience 1756 miles Northwest Arrives applied for

Asks Five Routes out intermediate points. They also have asked authorization for It requested authorisation to con-

Air Rules Parley New or rules dealed by the Harter, Jr. of Columbus Trees,

Some Lookest with the Part Ararts the consumer have operated Freder Bostes - The proposed ada to the Department of Transport er route bendung, some Trans-Camte and Guelph, Ont., Montical and run, and Toronto and Windset.



and come officials at Key West's Mentham Field selver. George T. Baher, N.A.L. president, uses paled on the first

Canadian Pacific

Seven British Models Ready for Post-War

Planes, including jet type, pre-pared for competition with U.S. Great British has seven new

aviation, including a jet-propelled

\$50-Ten Plane-Another British a land above of ware than 199 500

Another type of acrolene he deecribed as a 40,000-round plane

h Arrespond With Doronausmirrors and that British will RAP Transport Command would

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applicable for Now York-Danier united story a skelly majorize reads was defended to the Now Tork-Danier united story a skelly majorize reads was defended to the Standard American Calculat the Standard Standard

Northeast Gets OK On Mayflower Bid CAB Executer Low approves ab-

* Donald applicable to meloir Labbert Trans on appreciation make in AW II to leave Associate and Whith Price will be common of Boson Nestuckes Ande from some land on Napturket Island, the portificate is

h Seeks to Boy Certificate-North

fact A \$2,500 deposit has been made The certificate authorizes The land to 196% scree, advacent

operations in September, 1909.

Gray in Navy Air Parker W. Gray, oraginal owner and operator of May-

suspended in 1929 when Local

ATA Announces '43 Award Winners Two credover of Trespose's -

nental & Western Air and one of S. S. Frank, TWA at Burbank

Linkintes, NWA at Bentile, second TWA at Kanson City, there price of PAir Mass Touleury Chart -

Superided - With the Board's of low pressure troughs along the permanen. Mawflower summended staters alone of the Rocky Moun-

cluding this time, 41% time of par-Trumprettaental & Western Au

CAB SCHEDULE No. 17 Deal network New York-Design

Age J Micross before Encareer Frank A law Jr in application of Shifting them Kamer Clin Studiest, Sells Ad-ant McCare for Sense before New Science and Kamer City (Select St.)

Age II Bearing on application of PWA and Annies in Indead April Toka and Statema City to pulses indeed a past of mining rodes Examino Learning Toka Searce (Souther Sea 42) and ISSN: April 65 Probusting conference on applications of Marka Elm Salama and West for Agreement for Justice September Affiliation for Agreement for Justice September 1988 and Salama and Salama Sala

War a School exhibits for in Carleins

AVIATION NEWS . March 29 1544

FINANCIAL

Convair Likely to Enter Post-War Era In Strong Financial Position Tremendous production volume and reported backlog of three

billion expected to add further to company's equity values chis year.

By ROGUE WILCO

Consolidated Vulter's annual re- ferred at the inducated call price port was heartening to those who the second infestry While as

Over of total assets of almost come, as adjusted, for the foral 5+90.000.000. proups \$15,000,000 year ended Nav 30, 1841, was cets. Thus is equivalent to about \$11.40 per compon share And value in the post-war period. In-

Hereot \$100,000,000 in billions buge amount of sales, accompanied crated substantial rendaal earnwars Yet, the profit mayon on 1948, general industry awaged a profit margin of \$7 percent)

Unaphred has been the effect tin for 1945, will show not account 1945. the company's back value of the 1,365,945 common shares Outstanding This was after selvent.

of conft defficult to warmalism forther

Asset Situaliza-Some suspicion

equity is find up in plant and other

then Extreme once must be taken situation to the fact that, "if a the fiscal year 1942, there would be an additional charge agrapat net income of appopulation \$7,000 -Federal moone and excess profits laxes". This would reduce not Negatiation-While Consoladated

* Dividends ... While the agreest toing its 1943 fleral period, Consal-\$1.50 per shape to its common

The Carsolalisted report also re-

b Cost-Plus Contracts-At one time

known production courses in the or \$1.7 cents a share on its 15.694.of production and octual costs

of contract, WPB Chairman Nelson

Financial Reports b Bayes Marsdartering Co., and

the armilar period in 1948. For the 12 menths to Dec 31, not profit was \$791,128 or 90 cents a share.

Mary Specie Manufactures Co. Inc. reported for 1943 net profit of \$412,500 or \$5 conts a Class B or \$1,910,990 reserve for renegativetion refund and \$4,008,014 times

Managola-Hoseywell reports

are tald as the assessi report

1924. Net sales builtings and other crease of \$118,192,848 over 1942-FTharmen Products, Inc., and

substituty, reported a 1862 net profit of \$450,094, arrant \$299,200

ended July 31, 1942



MARS PROPELLERS

avenue, world's largest three-

Lockheed Dividend klackbent strekholders, voted a dentired of \$5 cents a share by the The desilent navable Apr 19 to

Kellett V Loans

Kellett Aircraft Corp. has ar-

New Plane Sextant An according account which tells

Insurance for the Future

war military polity has the heartiest support of The apparent unanumity of support and ranifity of by Rep. Wadsworth is an encouragne demonstration

political would have the public confidence needed for ments necessary before the plan is completed. The World's Fastest

NORTH AMERICAN AVIATION reports it has been per-ansurate, directly or otherwise, in similarly glowing method by War Department authorities to any terms the process of its Corear, and from organistic

Statistical Confusion

Picc accour commendable action taken by the Aero- are estimates but proper identification as such as not Aviation has grown so uspedly that accurate analy-

for individual months, quarterly periods, every six factor, or available seat reales may not be the more. Air transport association or a povernment among in

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